



Date: December 19, 2017

To: City Manager for Council Action

From: Director of Parks and Recreation

Subject: Approve the Schematic Design Plans for Machado Park and Playground Construction Project

EXECUTIVE SUMMARY

In September 2013, Council adopted a goal to enhance community sports and recreational assets. In particular, older playgrounds that do not meet Americans with Disabilities Act (ADA) and Consumer Product Safety Commission (CPSC) guideline requirements were made a priority for rehabilitation, and funding for playgrounds was identified and allocated in Capital Improvement Project (CIP) #3178—Playground Construction (Project). The playground and park amenities at Machado Park located at 3360 Cabrillo Avenue date from 1961 and the playground is programmed for rehabilitation in Fiscal Year 2017-18.

In August 2017, Council approved a contract with Verde Design, Inc. to work with the Parks & Recreation Department solicit community input on the preferred park elements, to prepare a revised Park Site Plan (Exhibits A and B), to develop playground construction plans (Exhibit C), specifications and cost estimate (PS&E), and to provide bid, construction, and post-construction services for the rehabilitation of the playground at Machado Park.

Community outreach was conducted through E-notify, the City website, the City's social media channels, door hangers and mailings to neighborhood residents within a 1000 foot radius of Machado Park. Staff held two community meetings. On October 31, 2017, 400 adults, teens and children visited the pop-up meeting at the Youth Activity Center's Halloween Party. On November 2, 2017, over 40 people attended a workshop held at the Machado Park Building. In addition, over 100 people completed an Open City Hall online survey. The community input was incorporated into the Proposed Draft Site Plan (Exhibit B) and the Playground Schematic Design for Machado Park (Plans) (Exhibit C).

On November 21, 2017, the Park and Recreation Commission reviewed and recommended Council approval of the proposed Plans for Bowers Park. The Plans addresses all of the Project design principles:

- use research based principles for play and inclusionary/universal design;
- include the seven elements of play that will accommodate additional community use;
- address PlayCore National Demonstration Site criteria to meet three (3) Playcore National Demonstration Site Designation goals—"Play on!" to promote physical activity and health, "NatureGrounds" to integrate built and natural environments, and "Inclusionary Design" to provide inclusive play spaces that promote participation, social activity and developmental growth;
- incorporate community preferences for a playground that is appropriate for ages 6-12 and 2-5 that is integrated into the hilly topography of the park;
- stay within the available space given the size of elements, required fall heights and safety

- zones, and site topography/constraints;
- consider asset lifecycle maintenance costs;
- honor Machado Park's history and integrate the proposed design with existing park features;
- enhance park access and connectivity to the adjacent school site athletic facilities used by the community;
- enhance and integrate play spaces and proposed elements natural elements through plant selection and placement;
- support the City's sustainability and age-friendly goals; and,
- comply with grant guidelines to qualify for Playcore/California Parks & Recreation Society playground equipment purchase matching grant in the amount of \$60,000.

The next steps for the playground Project will be to complete the Plans, Specifications, and Bid Package for Council award in Spring 2018. At this time only funding for the playground has been identified. The Machado Park schematic design anticipates other future, currently unfunded enhancements throughout the park, such as a perimeter park trail with exercise equipment, drinking fountains, picnic facilities, replacement of deteriorated arbor, and basketball court, addition of shade structures, new pathway lighting, park building upgrades and other facility condition assessment identified items.

ADVANTAGES AND DISADVANTAGES OF ISSUE

Approval of the Plans will allow for completion of the new playground at Machado Park in a timely manner to replace the dated 1961 ADA and CPSC non-compliant playground equipment. The new amenities will accommodate additional community use and provide greater public access. The Plans address all of the Project design principles including: community preferences inclusionary/universal design, the seven elements of play, the Playcore National Demonstration Site criteria, sustainability, and age-friendly goals, among others. The Plans also meet the Playcore/California Parks & Recreation Society matching playground equipment grant eligibility guidelines. There are no known disadvantages.

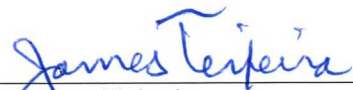
ECONOMIC/FISCAL IMPACT

Project funding is currently available and allocated in the Capital Improvement Project #3178—Playground Construction (532-1132-80300-3178) from new housing development Quimby Act Fees, a non-General Fund source. The additional Park Site enhancement items identified in the Plans can be considered through the Capital and Operating budget process. There is no additional impact to the General Fund, since general parks maintenance activities are already associated with, and accounted for, in the Parks & Recreation Department's annual operating budget.

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RECOMMENDATION

That the Council approve the Schematic Design Plans for Machado Park and Playground Construction Project.



James Teixeira
Director of Parks and Recreation

APPROVED:



Deanna J. Santana
City Manager

Documents Related to this Report:

- 1) *Exhibit A- Machado Park Existing Site Plan*
- 2) *Exhibit B- Machado Park Draft Proposed Site Plan*
- 3) *Exhibit C- Machado Park Proposed Playground Schematic Design*



EXHIBIT A: EXISTING SITE PLAN

Machado Park
3360 Cabrillo Ave
Santa Clara, CA



**City of
Santa Clara**
The Center of What's Possible

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December 04, 2017



VERDE DESIGN

LANDSCAPE ARCHITECTURE
CIVIL ENGINEERING
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PLAY AREA ONLY ENLARGEMENT

LEGEND

- EXISTING CONCRETE PAVING
- NEW CONCRETE PAVING
- ENGINEERED WOOD FIBER SURFACING
- EXISTING LAWN AREA
- SAND
- TURF REPAIR
- DRINKING FOUNTAIN (FUTURE)
- TRASH/RECYCLING/COMPOST RECEPTACLES
- PATHWAY LIGHTING AT 40' O.C. (FUTURE)

- 1 INCLUSIVE PLAY AREA (AGES 5-12)
- 1a BALANCE PODS (5-12)
- 1b HORIZONTAL LOOP LADDER
- 1c CLIMBING WALL
- 1d COMBO SLIDE
- 1e ASHIKO AND DJEMBE
- 2a BUCKET SWING
- 2b BELT SWING
- 2c ADAPTIVE SWING
- 3 MERRY-GO-ALL
- 4 ARCH SWINGS
- 5 HILLSIDE SLIDE
- 6 PLAY AREA W/ SHADE (AGES 2-5)
- 6a TODDLER SLIDE
- 6b SHADE TREES AT PLAY AREA
- 6c BALANCE PODS (2-5)
- 7 SAND PLAY AREA
- 8 EXISTING SIDEWALK



NATIONAL DEMONSTRATION SITE GOALS

- PLAY ONE: PROMOTING PHYSICAL ACTIVITY**
Promoting physical activity through well-designed outdoor play and learning environments.
- 7 PRINCIPLES OF INCLUSIVE PLAYGROUND DESIGN**
Moving beyond accessibility to provide truly inclusive play spaces that promote participation, healthy activity, and social interaction.

- NATUREGROUNDS**
Promoting highest use of playgrounds through integration of the built environment and the living landscape

7 ELEMENTS OF PLAY

ELEMENT OF PLAY	EQUIPMENT	ELEMENT OF PLAY	EQUIPMENT
1. BALANCING	BALANCE PODS (5-12)	5. SLIDING	COMBINATION SLIDE HILLSIDE SLIDE
2. UPPER BODY	HORIZONTAL LADDER CLIMBER LADDER LOOP	6. SPINNING	MERRY-GO-ALL
3. CLIMBING	ROCK CLIMBER ERGO CLIMBER RIVER ROCK CLIMBER WAVE CLIMBER	7. RUNNING/ FREE PLAY	DJEMBE PLAYGROUND LAYOUT PERIMETER PATH SAND PLAY AREA
4. SWINGING	ARCH SWING BELT SWING BUCKET SWING ADAPTIVE SWING		



EXHIBIT C: DRAFT PLAYGROUND DESIGN

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3360 Cabrillo Ave
Santa Clara, CA



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